Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CLASSIFICATION ~~SECRET~~ CONFIDENTIAL

CENTRAL INTELLIGENCE AGENCY REPORT NO.

INFORMATION REPO

25X1 CD NO.

25X1

25X1

COUNTRY Germany (Russian Zone)

DATE DISTR. 11 July 1952 25X1

SUBJECT Survey of Iron and Steel Production and Requirements

NO. OF PAGES 19

25X1

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

FERENCE COPY

DO NOT CIRCULATE 25X1

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U. S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS FORM IS PROHIBITED.

25X1 25X1

THIS IS UNEVALUATED INFORMATION

25X1

Iron and Steel Production in the Soviet Zone of Germany. 25X1

1. In cases where the statistics given below were estimated from previous information regarding the individual plants concerned and from the proposed production schedules of the Five Year Plan. The statistics obtained concerning the plants of the VVB (Z) Vesta are almost complete. 25X1 With regard to the SAG iron and steel enterprises, are known but not the proposed production schedules. All SAG enterprises have achieved their prewar capacity since practically none of these plants were dismantled. Technical improvements were recently carried out in these plants but it is not believed that any of these improvements were made to increase the capacity of the plants. Therefore, in estimating the proposed production schedules of these plants, it was assumed that the schedules under the Five Year Plan would be based on the 1951 maximum capacity. Statistics regarding the proposed production schedules of the GUS enterprises are not available and could not be estimated. However, since the Vesta enterprises are scheduled to increase their production of steel castings and forgings between 200 and 300 percent by 1955, it is assumed that the GUS enterprises will at least double their production of steel castings and forgings by 1955. The combined SAG, Vesta and GUS enterprises are scheduled to produce 295,000 tons of gray and malleable iron castings in 1955.

2. The following is a tabulation of actual and scheduled production of iron and steel in the Soviet Zone of Germany:

Document No. 8
No Change in Class.
Declassified
Class. Changed To: TS S
Auth: HR 70-2
Date: 11-9-78

25X1

CLASSIFICATION ~~SECRET~~ CONFIDENTIAL

STATE #	NAVY	NSRB	DISTRIBUTION							
ARMY #	AIR #	FBI	OSR	Ev						

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CONFIDENTIAL

25X1

	Actual Production (1,000 tons)			Scheduled Production (1,000 tons)				
	1948	1949	1950	1951	1952	1953	1954	1955
Ferro-Alloys								
Lippendorf (N 52/U 39) Electric Plant	11.0	15.8	27.5	26.1	31.0	30.2	37.0	37.0
Mueckenberg (N 52/A 13) Electric Plant	-	-	-	-	10.5	11.0	11.4	20.6
Total Ferro-Alloys	11.0	15.8	27.5	26.1	41.5	41.2	48.4	57.6
Pig Iron								
Maxhuette in Unterwellenborn (N 51/J 63)	196.5	250	337	370	390	395	450	450
Ironworks Combine East in Fuerstenberg/ Oder (O 53/V 71)	-	-	-	85	255	340	425	510
Ironworks West in Calbe/Saale (N 52/D 77)	-	-	-	-	60	90	140	250
Total Pig Iron	196.5	250	337	455	705	825	1,015	1,210
Basic Steel (Thomasstahl)								
Maxhuette in Unterwellenborn	125	132	218	250	250	290	290	290
Open-Hearth Steel								
SAG Plants								
Thale (N 52/D 25) Ironworks	59	60	90	116	144	144	144	144
Kunsch Steelworks in Rasberg (N 52/K 08)	5	6	33	60	72	72	72	72
Krautheim Plant in Chemnitz (N 51/K 66)	10	12	14	48	60	72	72	72
Frankleben (N 52/D 90) Steel and Ironworks	7	8	10	10	10	10	10	10
Krupp-Gruson Machine Factory in Magdeburg (N 53/Y 60)	8	10	48	84	96	120	1200	120
Total SAG Plants	89	96	195	318	382	418	418	418
Vesta Plants								
Riesa (N 52/E 81) Steelworks and Rolling Mill	32	189	301	345	440	500	550	560
Hennigsdorf (N 53/Z 76) Steelworks and Rolling Mill	28	74	125	176	186	206	206	211
Groeditz (N 52/E 92) Iron and Steelworks	-	6	56	105	115	140	145	145

CONFIDENTIAL

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

	Actual Production (1,000 tons)			Scheduled Production (1,000 tons)				
	1948	1949	1950	1951	1952	1953	1954	1955
Groeditz (N 52/E 92) Iron and Steelworks	-	6	56	105	115	140	145	145
Doehlen/Freital (N 52/F 18) Ironworks	4	12	18	24	35	110	190	210
Brandenburg (N 53/Z 23) Steelworks and Rolling Mill	-	-	61	168	246	280	316	415
Ironworks Combine East in Fuerstenberg/Oder (O 53/V 71)	-	-	-	-	-	30	70	360
Total Vesta Plants	64	281	561	818	1,022	1,266	1,477	1,901
Total Open-Hearth Steel	153	377	756	1,136	1,404	1,684	1,895	2,319
Electric Steel								
SAG Plants								
Thale Ironworks	10	18	18	18	18	22	22	22
Kunsch Steelworks in Rasberg	2.5	3	3	3	4	4	4	4
Krautheim Plant in Chemnitz	-	4	4	5	5	5	5	5
Krupp-Gruson Machine Factory in Magdeburg	2.5	4	5	5	5	5	5	5
Total SAG Plants	15	29	30	31	32	36	36	36
Vesta Plants								
Maximilianhuette in Unterwellenborn	33	38	36	40	30	40	40	40
Riesa Steelworks and Rolling Mill	-	-	-	-	10	15	15	15
Hennigsdorf Steelworks and Rolling Mill	-	-	-	4	4	4	4	4
Groeditz Iron and Steel-works	2	2	3	4	5	5	4	4
Doehlen/Freital Ironworks	-	-	-	8	20	30	30	30
Brandenburg Steelworks and Rolling Mill	4	4	5	10	10	12	12	12
Total Vesta Plants	39	44	44	66	79	106	105	105
Total Electric Steel	54	73	74	97	111	142	141	141

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0 CONFIDENTIAL

Rolled Steel	Actual Production (1,000 tons) 1948	1949	1950	Scheduled Production (1,000 tons) 1951	1952	1953	1954	1955
SAG Plants								
Thale Ironworks	54	60	72	84	96	108	108	108
Hettstedt (N 52/D 46) Nonferrous Metal Rolling Mill	3	4	7	8	10	12	12	12
Total SAG Plants	57	64	79	92	106	120	120	120
Vesta Plants								
Maximilianhuette in Unterwellenborn	21	61	114	140	260	260	260	255
Riesa Steelworks and Rolling Mill	34	84	182	242	285	304	304	304
Hennigsdorf Steelworks and Rolling Mill	56	103	119	140	173	173	173	173
Groeditz Steelworks and Rolling Mill	-	-	14	20	20	22	22	22
Doehlen/Freital Iron and Steelworks	-	-	-	-	35	70	129	129
Brandenburg Steelworks and Rolling Mill	-	-	-	-	-	35	60	63
Ironworks Combine East in Fuerstenberg/Oder	-	-	-	-	-	-	-	95
Hoffmann & Motz Rolling Mill in Niederfinow (N 53/V 08)	10	13	23	40	40	42	42	42
Becker Rolling Mill in Kirchmoeser (N 53/Z 12)	12	25	56	116	124	124	124	124
Niederkirchner Rolling Mill in Ilsenburg (N 52/D 06)	15	19	24	30	36	42	42	42
Olbernhau (N 50/K 94) Plate Rolling Mill	5	9	11	16	16	16	16	16
Aue-Auerhammer (N 51/K 53) Plant for Semi-finished Material	8	14	15	18	18	18	18	18

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CONFIDENTIAL

	Actual Production (1,000 tons)			Scheduled Production (1,000 tons)				
	1948	1949	1950	1951	1952	1953	1954	1955
Burg (M 53/K 53) Plate Rolling Mill	8	9	9	10	14	16	16	18
Dresden-Friedrichstadt (N 52/F 29) Finishing Rolling Mill	7	9	9	12	16	18	24	24
Bad Salzungen (L 51/H 74) Cold Rolling Mill	2	3	3	4	4	4	4	4
Faradit Tube Rolling Mill in Chemnitz (N 51/K 66)	2	2	2	2	2	2	2	2
Oranienburg (N 53/Z 67) Spring Factory	-	1	1	1	1	1	1	1
Brotterode (M 51/H 95) Drawing Plant	3	4	4	5	5	5	5	5
Praema Precision Drawing Plant in Lugau (N 51/K 54)	6	6	10	12	12	14	14	14
Total Vesta Plants	189	362	596	808	1,061	1,166	1,256	1,351
Total Rolled Steel	246	426	675	900	1,167	1,286	1,376	1,471
Steel Castings								
SAG Plants								
Kunsch Steelworks in Rasberg	9.5	18.5	19	20	20	20	20	20
Krautheim Plant in Chemnitz	8	10	10	12	12	12	12	12
Frankleben Steelworks	4.5	5	5	5	5	5	5	5
Otto Gruson Machine Factory in Magdeburg	8	9	9	9	9	9	10	10
Schaeffer & Budenberg Geraetewerk (Apparatus Work) in Magdeburg	4	4.5	5	6	6	6	6	6
Total SAG Plants	34	47	48	52	52	52	53	53
Vesta Plants								
Riesa Steelworks and Rolling Mill	3	3	5	12	12	12	12	12
Hennigsdorf Steelworks and Rolling Mill	-	0	5	12	15	24	31	31

CONFIDENTIAL
Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

25X1

	Actual Production (1,000 tons)			Scheduled Production (1,000 tons)				
	1948	1949	1950	1951	1952	1953	1954	1955
Doehlen/Freital Ironworks	-	1	2	4	6	6	6	6
Groeditz Iron and Steelworks	3	3	5	12	14	15	15	15
Ironworks Combine East	-	-	-	-	-	5	10	10
Total Vesta Plants	6	7	17	40	47	62	74	74
		GUS Plants						
Leipzig (N 52/E 21) Foundries	7	8.5	9	12				
Ammon Plant in Eberswalde (N 53/V 08)	2	2.5	2.5					
Tangerhuette (N 53/Y 73) Ironworks and Enameling Plant	1	1.5	1.5					
Halle (N 52/D 92) Foundry	-	1	1					
Arnstadt (N 51/J 25) Ironworks	-	1.5	1.5					
Torgelow (N 54/? 17) Ironworks	-	0.5	0.5					
Polte Foundry in Magdeburg	2.5	3	3					
Finow (N 53/V 08) Steel Foundry	-	3.5	3.5					
Ketschendorf (N 53/V 33) Steel Foundry	1.5	2.5	3					
Schoenheiderhammer (N 51/K 42) Foundry	3	4.5	4.5					
Total GUS Plants	17	29	30					60
Total Steel Castings	57	83	95					187

The production of steel castings by the GUS enterprises is assumed to be doubled by 1955.

Gray and Malleable Casting

SECRET

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CONFIDENTIAL

	Actual Production (1,000 tons)			Scheduled Production (1,000 tons)				
	1948	1949	1950	1951	1952	1953	1954	1955
Gray and Malleable Iron Castings								
SAG Plants								
Thale Ironworks	13	15	21	22	24	24	24	24
Krautheim Steelworks in Chemnitz	8	9	17	18	21	21	21	21
Otto Gruson Foundry in Magdeburg	5	5	12	15	15	15	15	15
Total SAG Plants	26	29	50	55	60	60	60	60
Vesta Plants								
Hennigsdorf Steelworks and Rolling Mill	4	5	11	11	12	15	15	15
Groeditz Iron and Steelworks	-	10	14	24	29	29	29	29
Total Vesta Plants	4	15	25	35	41	44	44	44
GUS Plants								
Leipziger Foundries	17	18	19.5					
Ammon Plant in Eberswalde	2	2	2					
Polte Foundry in Magdeburg	4	4	4.5					
Schoenheiderhammer Foundry	3	3	4					
Bernburg (M 52/D 76) Foundry	2.5	2.5	3.5					
Coswig (M 52/E 27) Foundry	3	4.5	6					
Harz Die-casting Plant in Quedlinburg/Harz Mts. (M 52/D 35)	9	9.5	13					
Moelkau (M 52/E 21) Foundry	3.5	3.5	4.5					
Krauschwitz (M 52/J 98) Foundry	8.5	8.5	10					
Sandersleben (M 52/D 64) Foundry	6	6.5	9					
Chemnitz Foundries	7	7.5	7.5					
Torgelow Ironworks	3.5	4.5	4.5					
Total GUS Plants	69	74	88					
Total Gray and Malleable Iron Castings	99	118	163					295

The scheduled production for 1955 was officially indicated as 295,000 tons.

SECRET

CONFIDENTIAL

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

25X1

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

	Actual Production (1,000 tons)			Scheduled Production (1,000 tons)				
	1948	1949	1950	1951	1952	1953	1954	1955
Forgings								
SAG Plants								
Krupp-Gruson Plant in Magdeburg	6	6.5	6.5	6.5	7	7	7	7
Otto Gruson Plant in Magdeburg	5	7.5	9	9	9	9	9	9
Schaeffer & Budenberg Plant in Magdeburg	2	2	2.5	2.5	2.5	3	3	3
Total SAG Plants	13	16	18	18	18.5	19	19	19
Vesta Plants								
Maximilianhuette in Unterwellenborn	3.5	5	5.5	7.5	9	9	9	9
Groeditz Iron and Steelworks	-	-	2	6.5	25	30	40	50
Doehlen-Freital Ironworks	-	-	-	4	6.5	14	18	18
Ilsenburg Rolling Mill	0.5	1	1	1	1.5	1.5	1.5	1.5
Hoffmann & Motz Bar Iron Rolling Mill in Finow	1	1.5	2	2	2	2.5	2.5	2.5
Total Vesta Plants	5	7.5	10.5	21	44	57	71	81
GUS Plants								
Langenau (N 52/K 69) Hammer Mill	5	6	8.5					
Brand-Erbisdorf (N 51/K 96) Drop Forge	3	3.5	5					
Rosswein (N 52/K 88) Drop Forge	2.5	3	4.5					
Oebitz (N 52/D 75) Flange Factory	2.5	3	3.5					
Erfurt (N 51/J 36) Drop Forge	0.5	0.5	1					
Grossenhain (N 52/A 01) Drop Forge	2	2.5	2.5					
Zeitz-Wetterzeube (N 52/V 00) Drop Forge	0.5	0.5	0.5					
Leipzig Forge	3	3	3.5					
Thuringian Drop Forge and Hammer Mill in Unterwellenborn	4	4.5	6					
Total GUS Plants	23	26.5	35					70
Total Forgings	41	50	63.5					170

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

25X1

The production of forgings by the GUS plants is assumed to be doubled by 1955.

3. In 1955, only 1,210,000 tons of pig iron, 2,750,000 tons of ingot steel, and 1,471,000 tons of rolled material will be produced instead of the originally scheduled 1,250,000 tons of pig iron, 3,000,000 tons of ingot steel, and 2,200,000 tons of rolled material. This reduction of the scheduled quotas was necessitated by the cancellation of investments [redacted] The planning target of the Five Year Plan with regard to iron and steel production not only aims at a production increase, but also at a reasonable coordination of the ironworks, steelworks, and rolling mill capacities. This capacity expansion will result in a significant change in the production volume and balance of the Soviet Zone iron and steel industry as compared with the prewar situation when the central German iron and steelworks only supplemented the Upper Silesian and the Ruhr industries. This production change can be observed by the following comparison of the 1950 production with the 1955 production schedule, the last stage of the Five Year Plan: 25X1

	1950 Production (1,000 tons)	1955 Scheduled Production (1,000 tons)
Pig iron required for steel production: Thomas steel, 90% pig iron and 10% scrap; open-hearth steel 50% pig iron and 50% scrap; electric steel 10% pig iron and 90% scrap.	582	1,434
Pig iron and ferro-alloy production:	365	1,268
Amount to be used for the production of gray and malleable iron castings, including ten percent for processing losses:	181	328
Amount available for the production of steel	184	940
Pig iron deficit	398	494
Ingot steel production:	1,048	2,750
Amount to be used for the production of steel castings and forgings, including 10% for processing losses:	176	397
Amount available to be processed by rolling mills	872	2,353
Allowing 25% for processing losses, the total production of rolled products would be:	654	1,765
Actual and scheduled production of rolled products:	675	1,471

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0
25X1

4. The prewar pig iron production of the Soviet Zone of Germany supplied 75 percent of the foundry pig iron requirements and about 40 percent of the pig iron required for the production of steel. The prewar rolling mill capacity was capable of processing only about 70 percent of the available ingot steel. In 1950, the pig iron production was sufficient to meet the total requirements for foundry pig iron and about 32 percent of the pig iron required for the production of steel. In 1950, the rolling mills of the Soviet Zone were able to process the available ingot steel. According to the schedules for 1955, the pig iron production will supply about 65 percent of the pig iron required for steel production, as well as meeting the total requirements for foundry pig iron. The rolled products scheduled to be produced in 1955 will require only about 83 percent of the total ingot steel available for rolling. Under the Five Year Plan the ingot steel production will be expanded at a faster rate than the pig iron and rolling mill capacities. The next Five Year Plan will probably provide for another increase of the pig iron and rolling mill capacities to balance the requirements of the ingot steel production.

Iron and Steel Requirements in the Soviet Zone of Germany.

5. The estimates of iron and steel requirements for the entire Soviet Zone economy in 1955 are based on the planned production of the various industries as indicated in official publications for the last year of the Five Year Plan. Where actual statistics were not available the scheduled 1955 production figures have been based on information obtained from official publications and on former production statistics. Thus the actual and estimated production of the various iron and steel consuming industries is as follows:

Type of Production	Unit	1948 Production	1949 Production	1950 Production	Scheduled production 1955
Machines, apparatus, boilers	Million eastmarks	566.4	1,055.0	1,118.3	2,461.5
	1,000 tons	188.8	316.5	335.5	615.4
Steam and electric locomotives	1 unit	104	200	240	600
Railroad freight cars	1,000 units	1.1	3.4	4.76	11.9
Narrow-gauge flatcars	1,000 units	2.15	-	-	-
Narrow-gauge field railway cars	1,000 units	3.75	4.0	5.6	12.5
Railroad coaches	1 unit	170	260	420	1,100
Trucks	1 unit	-	890	2,410	24,000
Passenger cars	1,000 units	2.18	4.9	10.0	25.0
Motorcycles	1,000 units	3.2	3.6	8.2	20.0
Bicycles	1,000 units	122	230	358	540
Trailers	1,000 units	1.4	1.8	2.0	5.0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Type of Production	Unit	1948 Production	1949 Production	1950 Production	Scheduled production 1955
Castings and forgings producing industry	1,000 tons	197	251	322	652
Nonferrous metal producing industry	1,000 tons	89	122	168	230
Nonferrous semi-finished material producing industry	1,000 tons	47	55	60	90
Nonferrous metal castings producing industry	1,000 tons	27	22	25	35
Wood products for the building industry	1,000 cubic meters	2,898	2,900	3,360	3,790
Cement production for the building industry	1,000 tons	783	997	1,176	2,600
Chemical products	Million east-marks	1,454	1,859	2,140	3,850

6. Estimates regarding the iron and steel requirements for 1948, 1950 and 1955 are based on the following average quantities of meterial required for the individual products. These statistics also indicate the estimated percentages of rolled material and cast and forged material which will be required.

Machines, apparatus and boilers: 1.6 times the finished weight, 65 percent rolled material and 35 percent castings and forgings.

Steam and electric locomotives: 135 tons per locomotive, 74 percent rolled material and 26 percent castings and forgings.

Railroad freight cars: 20 tons per car, 67 percent rolled material and 33 percent castings and forgings.

Narrow-gauge flatcars: 6 tons per car, 67 percent rolled material and 33 percent castings and forgings.

Narrow-gauge field railway cars: 1 ton per car, 67 percent rolled material and 33 percent castings and forgings.

Trucks: 5.5 tons per truck, 64 percent rolled material and 36 percent castings and forgings.

Passenger cars: 2.5 tons per car, 64 percent rolled material and 36 percent castings and forgings.

Motorcycles: 250 kg per motorcycle, 64 percent rolled material and 36 percent castings and forgings.

Bicycles: 25 kg per bicycle, 64 percent rolled material and 36 percent castings and forgings.

Trailers: 2.9 tons per trailer, 64 percent rolled material and 36 percent castings and forgings.

Tractors: 6 tons per tractor, 44 percent rolled material and 56 percent castings and forgings.

SECRET/ CONFIDENTIAL

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Shipbuilding: 1.63 tons per GRT, 80 percent rolled material and 20 percent castings and forgings.

Electrical engineering products: 50 kg per 1,000 eastmarks of production value, 76 percent rolled material and 24 percent castings and forgings. The prewar quota of 75 kg per 1,000 RM of production value had to be reduced to 50 kg because of the postwar price increase.

Precision mechanical and optical products: 20 kg per 1,000 eastmarks of production value, 76 percent rolled material and 24 percent castings and forgings. The prewar quota of 25 kg per 1,000 RM of production value had to be reduced to 20 kg because of the postwar price increase.

Iron, sheet metal and metal ware: 200 kg per 1,000 eastmarks of production value, 95 percentrolled material and 5 percent castings and forgings. The prewar quota of 250 kg per 1,000 RM of production value had to be reduced to 200 because of the postwar price increase.

Small arms: 6 kg per unit, 92 percent rolled material and 8 percent castings and forgings.

Ammunition: 1.7 times the finished weight of 50 grams per cartridge case, 67 percent rolled material and 33 percent castings and forgings.

Building industry: 285 kg per 1,000 RM of construction costs, 90 percent rolled material and 10 percent castings and forgings were required in 1948. Since 1950, 114 kg per 1,000 eastmarks of construction costs, 75 percent rolled material and 25 percent castings and forgings have been required. The type of construction has changed since 1948, which caused a decline in the use of rolled material to 75 percent and an increase in the use of castings and forgings to 25 percent.

General repairs of railroads: 25 tons per each km of track, all rolled material.

Maintenance of railroads: 1 ton per each km of track, all rolled material.

New construction of railroads: 180 tons per each km of track, all rolled material.

Hard coal mining: 1.6 tons per 1,000 tons of coal mined, all rolled products.

Brown coal mining: 0.25 tons per 1,000 tons of coal mined, all rolled products.

Ore mining: 1.2 tons per 1,000 tons of ore mined, all rolled products.

Salt and potash mining: 1.2 tons per 1,000 tons mined, all rolled products.

Electric power generation: 1.3 tons per million kw-h, all rolled material.

Gas production: 1.5 tons per million cubic meters of gas produced, all rolled material.

Pig iron producing industry: 0.8 percent of the total production, all rolled material.

Ingot steel producing industry: 0.8 percent of the total production, all rolled material.

Rolled steel producing industry: 0.8 percent of the total production, all rolled material.

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CONFIDENTIAL

Castings and forgings producing industry: 0.8 percent of the total production, all rolled material.

Nonferrous metal producing industry: 0.8 percent of the total production , all rolled material.

Nonferrous semi-finished material producing industry: 0.8 percent of the total production, all rolled material.

Nonferrous metal castings producing industry: 0.8 percent of the total production, all rolled material.

Wood products for the building industry: 60 kg per 1,000 cubic meters of wood products, all rolled material.

Cement production for the building industry: 5 tons per 1,000 tons of cement produced, all rolled material.

Chemical products: 5 kg per 1,000 eastmarks of production value, all rolled material. The price increase in 1948 to 1950 which also affected the chemical industry was not considered in this computation because the iron and steel requirements of the chemical industry are very slight as compared to the total production.

7. Based on the estimated production, indicated in paragraph 5, and the average amount of iron and steel required for each product, indicated in paragraph 6, the following estimated requirements of iron and steel have been computed for the various industries of the Soviet Zone of Germany; the 1936, 1948, and 1950 iron and steel requirements are indicated for comparison. The 1936 requirements statistics were obtained from a postwar study in which the statistics of the prewar production of Germany were broken down according to the present four zones of Germany.

CONFIDENTIAL
SECRET/

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

SECRET/

25X1

(Metric Tons)	1938 Requirements Rolled Material	1938 Requirements Castings, Forgings	1948 Requirements Rolled Material	1948 Requirements Castings, Forgings	1950 Requirements Rolled Material	1950 Requirements Castings, Forgings	Scheduled 1955 Requirements Rolled Material	Scheduled 1955 Requirements Castings, Forgings
Machines, apparatus, boilers	490,200	349,700	196,352	105,728	348,920	187,880	640,016	344,624
Steam and electric locomotives			10,390	3,650	23,976	8,424	59,940	21,060
Railroad freight cars			14,740	7,260	63,784	31,416	159,460	78,540
Narrow-gauge flatcars			8,643	4,257	-	-	-	-
Narrow-gauge field railway cars			2,513	1,237	3,752	1,848	8,375	4,125
Railroad coaches			3,427	1,683	8,442	4,158	22,110	10,890
Trucks			-	-	8,483	4,772	84,480	47,520
Passenger cars			3,488	1,962	16,000	9,000	40,000	22,500
Motorcycles			512	288	1,312	738	3,200	1,800
Bicycles			1,952	1,098	5,728	3,222	8,640	4,860
Trailers			2,598	1,462	3,712	2,088	9,280	5,220
Tractors			528	672	15,048	19,152	31,680	40,320
Shipbuilding			15,126	3,782	52,812	13,203	101,973	25,493
Total	383,300	154,400	63,907	27,351	203,049	98,021	529,158	262,328

CONFIDENTIAL

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

SECRET/

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

SECRET CONFIDENTIAL

25X1

(Metric Tons)	1936 Requirements Rolled Material	1936 Requirements Castings, Forgings	1946 Requirements Rolled Material	1946 Requirements Castings, Forgings	1950 Requirements Rolled Material	1950 Requirements Castings, Forgings	Scheduled 1955 Requirements Rolled Material	Scheduled 1955 Requirements Castings, Forgings
Electrical engineering products			14,835	4,685	22,792	7,198	44,650	14,100
Precision instruments and optical industry			1,739	549	2,508	792	5,989	1,891
Total	37,900	10,900	16,574	5,234	25,300	7,990	50,639	15,991
Iron, sheet metal and metal ware			64,125	3,375	93,100	4,900	141,075	7,425
Small arms			221	19	552	48	2,760	240
Ammunition			1,340	660	3,350	1,650	16,750	8,250
Total	853,900	48,700	65,686	4,054	97,002	6,598	160,585	15,915
Building industry	585,000	65,000	122,094	13,566	193,914	64,638	268,042	89,348
General repairs of railroads		-	-		12,500	-	10,000	-
Maintenance of railroads			11,520	-	13,950	-	14,700	-
New construction of railroads			-	-	18,000	-	36,000	-
Total	150,700	-	11,520	-	44,450	-	60,700	-
Hard coal mining			4,538	-	5,291	-	6,400	-
Brown coal mining			26,725	-	31,225	-	51,250	-

SECRET

CONFIDENTIAL

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

25X1

(Metric tons)	1936 Requirements Rolled Material	1936 Requirements Castings, Forgings	1948 Requirements Rolled Material	1948 Requirements Castings, Forgings	1950 Requirements Rolled Material	1950 Requirements Castings, Forgings	Scheduled 1955 Requirements Rolled Material	Scheduled 1955 Requirements Castings, Forgings
Ore mining	)		1,097	-	2,093	-	4,500	-
Salt and potash mining	)		2,149	-	2,886	-	4,080	-
Total	40,900	-	34,509	-	41,495	-	66,230	-
Electric power generation	)		18,486	-	23,192	-	41,080	-
Gas production	)		821	-	1,059	-	1,500	-
Total	20,200	-	19,307	-	24,251	-	42,580	-
Pig iron producing industry	)		1,576	-	2,696	-	9,680	-
Ingot steel producing industry	)		2,656	-	8,384	-	22,000	-
Rolled steel producing industry	)		1,968	-	5,400	-	11,768	-
Castings and forgings producing industry	)		1,576	-	2,008	-	5,216	-
Nonferrous metal producing industry	)		712	-	1,344	-	1,680	-
Nonferrous, semi-finished material producing industry	)		376	-	480	-	720	-
Nonferrous metal castings producing industry	)		216	-	200	-	280	-
Total	30,000	-	9,080		20,512		51,344	

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CONFIDENTIAL

25X1

(Metric tons)	1936 Requirements Rolled Material	1936 Requirements Castings, Forgings	1948 Requirements Rolled Material	1948 Requirements Castings, Forgings	1950 Requirements Rolled Material	1950 Requirements Castings, Forgings	Scheduled 1955 Requirements Rolled Material	Scheduled 1955 Requirements Castings, Forgings
Ore mining	)		1,097	-	2,093	-	4,500	-
Salt and potash mining	)		2,149	-	2,886	-	4,080	-
Total	40,900	-	34,509	-	41,495	-	66,230	-
Electric power generation	)		18,486	-	23,192	-	41,080	-
Gas production	)		821	-	1,059	-	1,500	-
Total	20,200	-	19,307	-	24,251	-	42,580	-
Pig iron producing industry	)		1,576	-	2,696	-	9,680	-
Ingot steel producing industry	)		2,656	-	8,384	-	22,000	-
Rolled steel producing industry	)		1,968	-	5,400	-	11,768	-
Castings and forgings producing industry	)		1,576	-	2,008	-	5,216	-
Nonferrous metal producing industry	)		712	-	1,344	-	1,680	-
Nonferrous, semi-finished material producing industry	)		376	-	480	-	720	-
Nonferrous metal castings producing industry	)		216	-	200	-	280	-
Total	30,000	-	9,080		20,512		51,344	

SECRET

CONFIDENTIAL

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

CONFIDENTIAL

25X1

(Metric tons)	1936 Requirements Rolled Material	1936 Requirements Castings, Forgings	1948 Requirements Rolled Material	1948 Requirements Castings, Forgings	1950 Requirements Rolled Material	1950 Requirements Castings, Forgings	Scheduled 1955 Requirements Rolled Material	Scheduled 1955 Requirements Castings, Forgings
Wood products for the building industry	)		174	-	202	-	227	-
Cement production for the building industry	)		3,915	-	5,880	-	13,000	-
Total	8,600	-	4,089	-	6,082	-	13,227	-
Chemical products industry	8,700	-	7,270	-	10,700	-	19,250	-
Total Iron and Steel Requirements	2,609,400	628,700	550,388	155,933	1,015,675	365,127	1,901,751	728,206
Soviet Zone production	1,026,000	694,000	246,000	197,000	675,000	321,500	1,471,000	652,000
Deficit	1,583,400	-	304,388	-	340,675	43,627	430,751	76,206
Surplus	-	65,300	-	41,067	-	-	-	-

CONFIDENTIAL SECRET

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0

25X1

8. Comparisons between prewar Germany and the present Soviet Zone of Germany must be viewed with certain reservations, as the iron and steel industries of east and west Germany formerly had a very close working relationship, and must be considered together as a complete economic unit. The estimated 1955 iron and steel requirements are considerably below the 1936 requirements. This is due to the reduced requirements of the building industry and the limitations imposed on household items, i. e., the lowering of the standard of living. The prewar type of construction required the use of steel frames and ferro-concrete, while at present brick structures requiring little steel are preferred. Although large-scale armament production had not yet started in 1936, the steel requirements for that year were comparatively high because of the large number of plants using steel for such items as vehicles, machinery, etc., and because of higher requirements for household items which, in 1936, were not restricted. It is quite possible, of course, that the steel deficit in 1955 may be considerably higher than estimated in this report as it is not possible to judge whether the armaments production of the Soviet Zone will be expanded by that time.

25X1 * [redacted] Comment. This table indicates a total production of 675,000 tons of rolled products produced in 1950 and, according to the estimates shown in this table, only 654,000 tons of steel were available for this production. No information was given as to how this deficit was overcome.

SECRET

Approved For Release 2006/04/20 : CIA-RDP82-00457R011200120008-0